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EDUCATIONAL BACKGROUND

2002 Ph.D. and M.S., Environmental Engineering, Tsinghua University
1998 B.S., Water and Wastewater Engineering, Tsinghua University

PROFESSIONAL EXPERIENCE

2006-now Assistant Fuel & Vehicle Analyst, Center for Transportation Research,
Energy Systems Division, Argonne National Laboratory
2002-2005 Postdoctoral Researcher, Center for Transportation Research
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PUBLICATIONS: JOURNAL ARTICLES AND BOOK CONTRIBUTIONS

- 1) **Ye Wu**, Michael Q. Wang, Anant D. Vyas, David C. Wade, Temitope A. Taiwo. *Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Hydrogen Produced with Nuclear Energy*, Nuclear Technology, 2006 (in press)
- 2) Robert Larsen, Michael Wang, **Ye Wu**, Anant Vyas, Danilo Santini, and Marianne Mintz. *Might Canadian Oil Sands Promote Hydrogen Production for Transportation? Greenhouse Gas Emission Implications of Oil Sands Recovery and Upgrading*. World Resource Review, 2005, 17(2): 220-242
- 3) David G. Streets, Jiming Hao, **Ye Wu**, Jingkun Jiang, Melissa Chan, Hezhong Tian, Xinbin Feng. *Anthropogenic Mercury Emissions in China*. Atmospheric Environment, 2005, 39: 7789-7806
- 4) **Ye Wu**, Jiming Hao, Lixin Fu, Jingnan Hu, Zhishi Wang, Uwa Tang. *Chemical characteristics of airborne particulate matter near major roads in Macao, China*. The Science of the Total Environment, 2003, 317(1-3): 159-172
- 5) **Ye Wu**, Jiming Hao, Lixin Fu, Zhishi Wang, Uwa Tang. *Vertical and horizontal profile of airborne particulate matter near major roads in Macao, China*. Atmospheric Environment, 2002, 36(31): 4907-4918
- 6) **Ye Wu**, Jiming Hao, Lixin Fu, Jingnan Hu, Zhishi Wang, Uwa Tang. *Development of the emissions inventory for mobile source for Macao, China*. Journal of Tsinghua Science and Technology, 2002, 42(12):1601-1604 (In Chinese with abstract in English)
- 7) **Ye Wu**, Jiming Hao, Wei Li, Lixin Fu. *Calculating emissions of exhaust particulate matter from motor vehicles with PART5 model*. Environmental Science, 2002, 23(1): 7-12. (In Chinese with abstract in English)
- 8) **Ye Wu**, Jiming Hao, Lixin Fu. *Study on spatial distribution of air pollutants concentrations from mobile source in the urban area of Macao*. Journal of Shanghai Environmental Science, 2002, 21(6): 338-341. (In Chinese with abstract in English)
- 9) Jiming Hao, **Ye Wu**, Lixin Fu, Kebin He, Dongquan He. *Study on urban vehicular emission control program system in China*. Journal of Applied Meteorology, 2002, 13(Suppl): 195-203. (In Chinese with abstract in English)

- 10) Jiming Hao, Lixin Fu, Kebin He, **Ye Wu**. *Urban vehicular pollution control--international experience and Chinese practice*. China Environmental Science Press, Beijing, China, 2001. (in Chinese)
- 11) Jiming Hao, **Ye Wu**, Lixin Fu, Dongquan He, Kebin He. *Source contributions to ambient concentrations of CO and NO_x in the urban area of Beijing*. Journal of Environmental Science and Health, 2001, A36(2): 215-228.
- 12) Jiming Hao, **Ye Wu**, Lixin Fu, Kebin He, Dongquan He. *Motor vehicle source contributions to air pollutants in Beijing*. Environmental Science, 2001, 22(5): 1-6. (In Chinese with abstract in English)
- 13) Jiming Hao, Dongquan He, **Ye Wu**, Lixin Fu, Kebin He. *A study of the emission and concentration distribution of vehicular pollutants in the urban area of Beijing*. Atmospheric Environment, 2000, 34(3): 453-465.
- 14) Jiaping Tang, Lixin Fu, Jiming Hao, **Ye Wu**, Kebin He. *Development and application of database for Beijing vehicular emissions based on GIS*. Environmental Science, 2000, 21(6): 95-97. (In Chinese with abstract in English)
- 15) Lixin Fu, Jiming Hao, Kebin He, Dongquan He, **Ye Wu**. *New light-duty vehicle emission standard for Beijing, China*. Chinese Environmental Science, 1999, 19(6): 552-555. (In Chinese with abstract in English)

PUBLICATIONS: REPORTS AND CONFERENCE PAPERS

- 1) **Ye Wu**, Michael Q. Wang, Phillip Sharer, Aymeric Rousseau. *Well-to-Wheels Results of Energy Use, Greenhouse Gas Emissions and Criteria Air Pollutant Emissions of Selected Vehicle/Fuel Systems*. SAE 2006 World Congress, 2006-01-0377, Detroit, MI, Apr., 2006
- 2) Michael Q. Wang, **Ye Wu**, Amgad Algowainy. *Operating Manual of GREET: Version 1.7*, Center for Transportation Research, Argonne National Laboratory, ANL/ESD/05-3, Nov., 2005
- 3) May Wu, **Ye Wu**, Michael Q. Wang. *Mobility Chains Analysis of Technologies for Passenger Cars and Light-duty Vehicles Fueled with Biofuels: Application of the GREET model to the Project of the Role of Biomass in the American's Energy Future*, ANL, 2005
- 4) David G. Streets, **Ye Wu**, Shuxiao Wang, Jiming Hao. *Trends in Emissions of Mercury from Coal Combustion in China: 1995 through 2003*. China Workshop on Mercury Control from Coal Combustion, Dec. 31-Nov. 2, 2005
- 5) David G. Streets, Jiming Hao, **Ye Wu**, Jingkun Jiang, Hezhong Tian, Shuxiao Wang. *Anthropogenic Mercury Emission inventory in China, 1999*. China Workshop on Mercury Control from Coal Combustion, Dec. 31-Nov. 2, 2005
- 6) Phillip Sharer, Aymeric Rousseau, Sylvia Pagerit, **Ye Wu**. *Impact of FreedomCAR Goals on Well-to-Wheel Analysis*. 2005 SAE International Conference, 2005-01-0004, Detroit, MI, 2005.
- 7) Michael Q. Wang, **Ye Wu**, Amgad Algowainy. *User Manual and Technical Issues of GREET for MOVES Integration*, Prepared for Office of Transportation and Air Quality, US EPA, 2004
- 8) **Ye Wu**, Michael Q. Wang, Anant D. Vyas, David C. Wade, Temitope A. Taiwo. *Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Hydrogen Produced with Nuclear Energy*, in Proceedings of 2004 International Congress on Advances in Nuclear Power Plants (ICAPP'04), Pittsburgh, PA, Jun., 2004: 2179-2194.
- 9) Jiming Hao, **Ye Wu**, Lixin Fu. *Size distribution and chemical characteristics of particulate matter near major road in Beijing, China*. 2002 annual conference of the American Association for Aerosol Research, Charlotte, North Carolina, USA, 2002

- 10) Jiming Hao, **Ye Wu**, Fumo Yang, Kebin He, Lixin Fu, Yongliang Ma. *Study on air pollution of particulate matter in urban area of Beijing, China*. 2001 annual conference of the American Association for Aerosol Research, Portland, Oregon, USA, 2001
- 11) Jiming Hao, Dongquan He, **Ye Wu**, Lixin Fu. Estimating traffic originated pollutants concentration distribution and contributions by using ISCST3 model. In: *Air Quality and Atmospheric Science*, Edited by Chen F, et al. eds. Proceedings of the 6th International Conference on Atmospheric Science and Applications to Air Quality. Beijing: China Ocean Press, 1999, 545-550